

1

2 What is claimed is:

1 1. A method of presenting data from an application executing at a computing
2 device at a remote wireless device, comprising:

3 receiving at said wireless device, a representation of a text file defining:

4 a format of a user interface for the application at said wireless
5 device;

6 a format of network messages for exchange of data generated
7 by said application;

8 a format for storing data related to said application at said
9 wireless device;

10 receiving data from said application in accordance with said format of
11 network transactions, and presenting said data at said wireless device
12 using said user interface.

1 2. The method of claim 1, wherein said text file is received at said device and
2 wherein said text file is an XML file.

1 3. The method of claim 1, wherein said text file is parsed, and a
2 representation of said text file is stored at said device.

1 4. The method of claim 1, further comprising storing data generated by said
2 application at said wireless device using said format for storing data.

1 5. The method of claim 1, wherein said text file defines screens; events
2 arising in response to interaction with said screens, and actions for
3 processing said events.

1 6. The method of claim 1, wherein said format of network messages
2 comprises XML definitions for said network messages, and wherein data
3 for said application are dispatched from said mobile device using said XML
4 definitions.

1 7. A wireless mobile device comprising:

2 a processor;

3 computer readable memory in communication with said processor, storing
4 virtual machine software controlling operation of said device,

5 said virtual machine software comprising:

6 a parser for receiving a text file;

7 a screen generation engine, for presenting at least one screen at said
8 device in accordance with said text file;

9 an event handler for processing events arising in response to
10 interaction with said at least one screen in accordance with said text
11 file;

12 object classes corresponding to actions to be taken by said in response
13 to interaction with said at least one screen.

1 8. The wireless mobile device of claim 7, wherein said memory further stores
2 a representation of said text file.

1 9. The wireless mobile device of claim 8, wherein said representation of said
2 text file is created by said parser.

1 10. The wireless mobile device of claim 9, wherein said parser comprises an
2 XML parser.

1 11. The wireless mobile device of claim 10, wherein said object classes
2 corresponding to action to be taken comprise object classes that present
3 screen elements at said device.

1 12. The wireless mobile device of claim 11, further comprising object classes
2 enabling exchange of data between said wireless device and a computing
3 device over a network, wherein said data is formatted in accordance with
4 definitions within said text file.

1 13. A wireless mobile device comprising:

2 a processor;

3 computer readable memory in communication with said processor, storing
4 software adapting said device to

5 receive a representation of a text file defining:

6 a format of a user interface for an application executing at a
7 remote computing device, at said wireless device;

8 a format of network messages for exchange of data generated
9 by said application;

10 a format for storing data related to said application at said
11 wireless device;

12 receive data from said application in accordance with said format of
13 network transactions, and presenting said data at said wireless device
14 using said user interface.